

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("5302221").PN.	USPAT	OR	OFF	2006/03/16 09:36
S1	24	US-0530951-\$.DID. OR US-2676773-\$.DID. OR US-3197379-\$.DID. OR US-3289703-\$.DID. OR US-3299417-\$.DID. OR US-3372715-\$.DID. OR US-3473575-\$.DID. OR US-3563825-\$.DID. OR US-3930568-\$.DID. OR US-3945867-\$.DID. OR US-3948292-\$.DID. OR US-4029889-\$.DID. OR US-4259990-\$.DID. OR US-4410013-\$.DID. OR US-4667505-\$.DID. OR US-4759994-\$.DID. OR US-4915121-\$.DID. OR US-5127441-\$.DID. OR US-5152859-\$.DID. OR US-5222769-\$.DID. OR US-5224621-\$.DID. OR US-5267670-\$.DID. OR US-5343738-\$.DID. OR US-5368670-\$.DID.	USPAT	OR	ON	2006/03/14 12:59
S2	4	US-5478171-\$.DID. OR US-5546992-\$.DID. OR US-5654499-\$.DID. OR US-5744206-\$.DID.	USPAT	OR	ON	2006/03/14 11:56
S3	185	156/392	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 11:57
S4	14	US-3141478-\$.DID. OR US-3368005-\$.DID. OR US-3744823-\$.DID. OR US-3801140-\$.DID. OR US-3967650-\$.DID. OR US-4371197-\$.DID. OR US-4441743-\$.DID. OR US-4660861-\$.DID. OR US-4629216-\$.DID. OR US-4667505-\$.DID. OR US-4732412-\$.DID. OR US-4804210-\$.DID. OR US-5087308-\$.DID. OR US-5449203-\$.DID.	USPAT	OR	ON	2006/03/16 09:36
S5	425	156/185	USPAT	OR	ON	2006/03/14 12:59

## EAST Search History

S6	436	156/185	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 13:46
S7	1108	156/187	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 13:46
S8	914	S7 not S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 14:13
S9	60	S8 and sand	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 13:47
S10	1	("3623930").PN.	USPAT	OR	OFF	2006/03/14 16:33
S11	18	("3623930").URPN.	USPAT	OR	ON	2006/03/14 14:14
S12	4	"645267"	US-PGPUB	OR	ON	2006/03/14 14:56
S13	0	220/466	US-PGPUB	OR	ON	2006/03/14 15:59
S14	190	220/466	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 15:59
S15	2	("3623930").PN.	USPAT; USOCR	OR	OFF	2006/03/14 16:33
S16	13	grosh.in. and pipe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/14 16:34
S17	11	("3700527").URPN.	USPAT	OR	ON	2006/03/14 16:35
S18	8	("1504805"   "2714414"   "2742931"   "3340115").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 16:37
S19	411	156/190	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 16:37

## EAST Search History

S20	157643	S19 and pipe or pipeline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 16:38
S21	106	S19 and (pipe or pipeline)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 16:49
S22	25	S19 and (sand or grout or granular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 17:33
S23	450	220/469	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 16:49
S24	143	S23 and (pipe or pipeline)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 17:10
S25	1	("6026862").PN.	USPAT	OR	OFF	2006/03/14 16:55
S26	32	("0530951"   "2676773"   "3197379"   "3289703"   "3299417"   "3372715"   "3473575"   "3563825"   "3930568"   "3945867"   "3948292"   "4029889"   "4259990"   "4410013"   "4667505"   "4759994"   "4915121"   "5127441"   "5267670"   "5343738"   "5478171"   "5546992"   "5654499"   "5744206").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/14 17:09
S27	464	((wrap or wrapping or wind\$3 with tape) and (sand or grout or granular)) and (pipe or pipeline)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 18:39
S28	91	((wrap or wrapping or wind\$3 with tape) same (sand or grout or granular)) and (pipe or pipeline)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 10:24

## EAST Search History

S29	1476	73/49.2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 17:33
S30	98	S29 and (sand or grout or granular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 17:46
S31	676	138/144	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 17:45
S32	82	S31 and (sand or grout or granular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 18:23
S33	501418	sand or grout or granular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 18:23
S34	24	US-0530951-\$.DID. OR US-2676773-\$.DID. OR US-3197379-\$.DID. OR US-3289703-\$.DID. OR US-3299417-\$.DID. OR US-3372715-\$.DID. OR US-3473575-\$.DID. OR US-3563825-\$.DID. OR US-3930568-\$.DID. OR US-3945867-\$.DID. OR US-3948292-\$.DID. OR US-4029889-\$.DID. OR US-4259990-\$.DID. OR US-4410013-\$.DID. OR US-4667505-\$.DID. OR US-4759994-\$.DID. OR US-4915121-\$.DID. OR US-5127441-\$.DID. OR US-5152859-\$.DID. OR US-5222769-\$.DID. OR US-5224621-\$.DID. OR US-5267670-\$.DID. OR US-5343738-\$.DID. OR US-5368670-\$.DID.	USPAT	OR	ON	2006/03/14 18:23

## EAST Search History

S35	2	S34 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 18:24
S36	1	S4 and S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 18:37
S37	0	S4 and "323"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 18:37
S38	77	ralph near3 friedrich	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 18:41
S39	18	joie near3 folkers	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/14 18:46
S40	5	"9609487"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 10:22
S42	130	brian near3 francis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 10:22
S43	18	S42 and (pipe or pipeline)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 10:23
S44	290	((wrap or wrapping or wind\$3) with tape) same (sand or grout or granular))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/15 10:25
S45	1	1999-084829.NRAN.	DERWENT	OR	ON	2006/03/15 11:31
S46	1	("5302221").PN.	USPAT	OR	OFF	2006/03/15 12:01

## EAST Search History

S47	14	("3544405"   "3607517"   "3623930"   "3740291"   "4006049"   "4081302"   "4333783"   "4544426"   "4785854"   "4878976"   "5024712").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 12:01
S48	2	("3483896").PN.	USPAT; USOCR	OR	OFF	2006/03/15 17:02
S49	21	("3483896").URPN.	USPAT	OR	ON	2006/03/15 17:15
S50	14	("3544405"   "3607517"   "3623930"   "3740291"   "4006049"   "4081302"   "4333783"   "4544426"   "4785854"   "4878976"   "5024712").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 17:58
S51	20	("4081302").URPN.	USPAT	OR	ON	2006/03/15 18:41
S52	14	("3544405"   "3607517"   "3623930"   "3740291"   "4006049"   "4081302"   "4333783"   "4544426"   "4785854"   "4878976"   "5024712").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 19:08
S53	20	("4081302").URPN.	USPAT	OR	ON	2006/03/15 20:31
S54	38	("1954403"   "2225026"   "2663663"   "2690769"   "2723705"   "2739881"   "2815043"   "2925831"   "2929744"   "2944917"   "3068133"   "3390704"   "3464879"   "3466207"   "3487149"   "3623930"   "3679508"   "3679531"   "3886029"   "3979250").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/15 20:33